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	Document ID	Kind Codes	Source	Issue Date	Pages
1	US 5945215 A	<input type="checkbox"/>	USPAT	19990831	30
2	US 5912062 A	<input type="checkbox"/>	USPAT	19990615	9
3	US 5885705 A	<input type="checkbox"/>	USPAT	19990323	6
4	US 5876827 A	<input type="checkbox"/>	USPAT	19990302	18
5	US 5871193 A	<input type="checkbox"/>	USPAT	19990216	12

-MOV- 2:8
 N7:95

```

+-----+
| ;Dest N7:1561 |
| ;Dest 0 |
| ;Source N7:951 |
+-----+
+MOVE-----+
+MOV-----+
  
```

Rung 2:8
 -CPT- 2:5 2:6 2:7
 N7:158

```

+-----+
| ;FB:1 * N7:158 |
| ;Expression 21 |
| ;Dest N7:1521 |
+-----+
+COMPUTE-----+
+CPT-----+
  
```

N7:152
 -CPT- 2:7
 FB:1

Rung 2:7
 -CPT- 2:5 2:6 2:7
 N7:158

```

+-----+
| ;FB:0 * N7:158 |
| ;Expression 98 |
| ;Dest N7:1531 |
+-----+
+COMPUTE-----+
+CPT-----+
  
```

N7:152
 -CPT- 2:6
 FB:0

Rung 2:6
 -CPT- 2:5 2:6 2:7
 N7:158

```

+-----+
| ;FB:0 * N7:158 |
| ;Expression 98 |
| ;Dest N7:1531 |
+-----+
+COMPUTE-----+
+CPT-----+
  
```

N7:94
 -CPT- 2:5
 -GEO- 2:2
 -GEO- 2:3
 -GRT- 2:4
 -LEQ- 2:1
 -LES- 4:1
 -MOV- 4:1

```

+-----+
| N7:94 + 2 |
| ;Expression 21 |
| ;Dest N7:1581 |
+-----+
+CPT-----+
+COMPUTE-----+
+CPT-----+
  
```

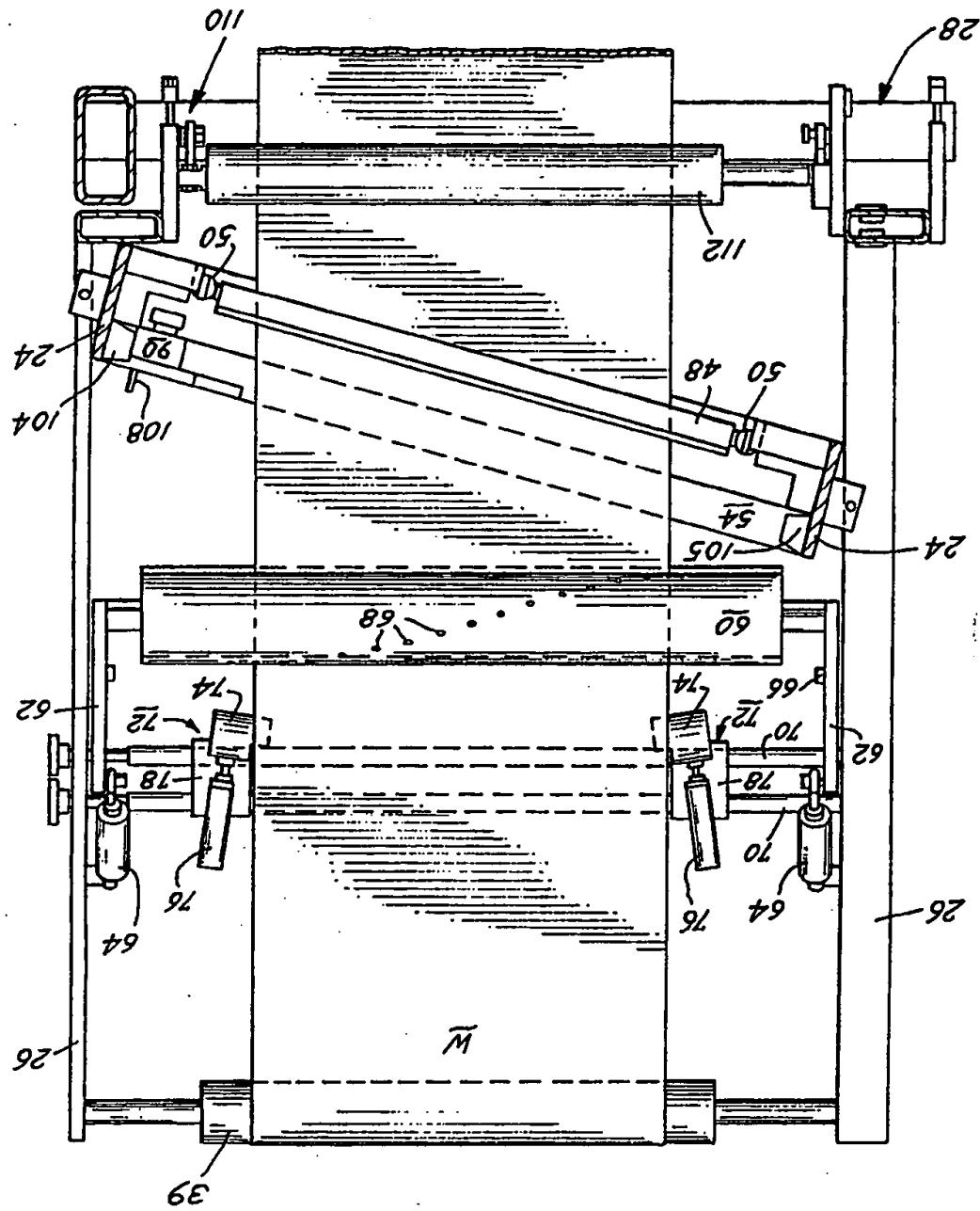
Rung 2:5
 17
 4,923,546

	Document ID	Kind Codes	Source	Issue Date	Pages
6	US 5849804 A	<input type="checkbox"/>	USPAT	19981215	5
7	US 5811040 A	<input type="checkbox"/>	USPAT	19980922	12
8	US 5622765 A	<input type="checkbox"/>	USPAT	19970422	16
9	US 5620797 A	<input type="checkbox"/>	USPAT	19970415	10

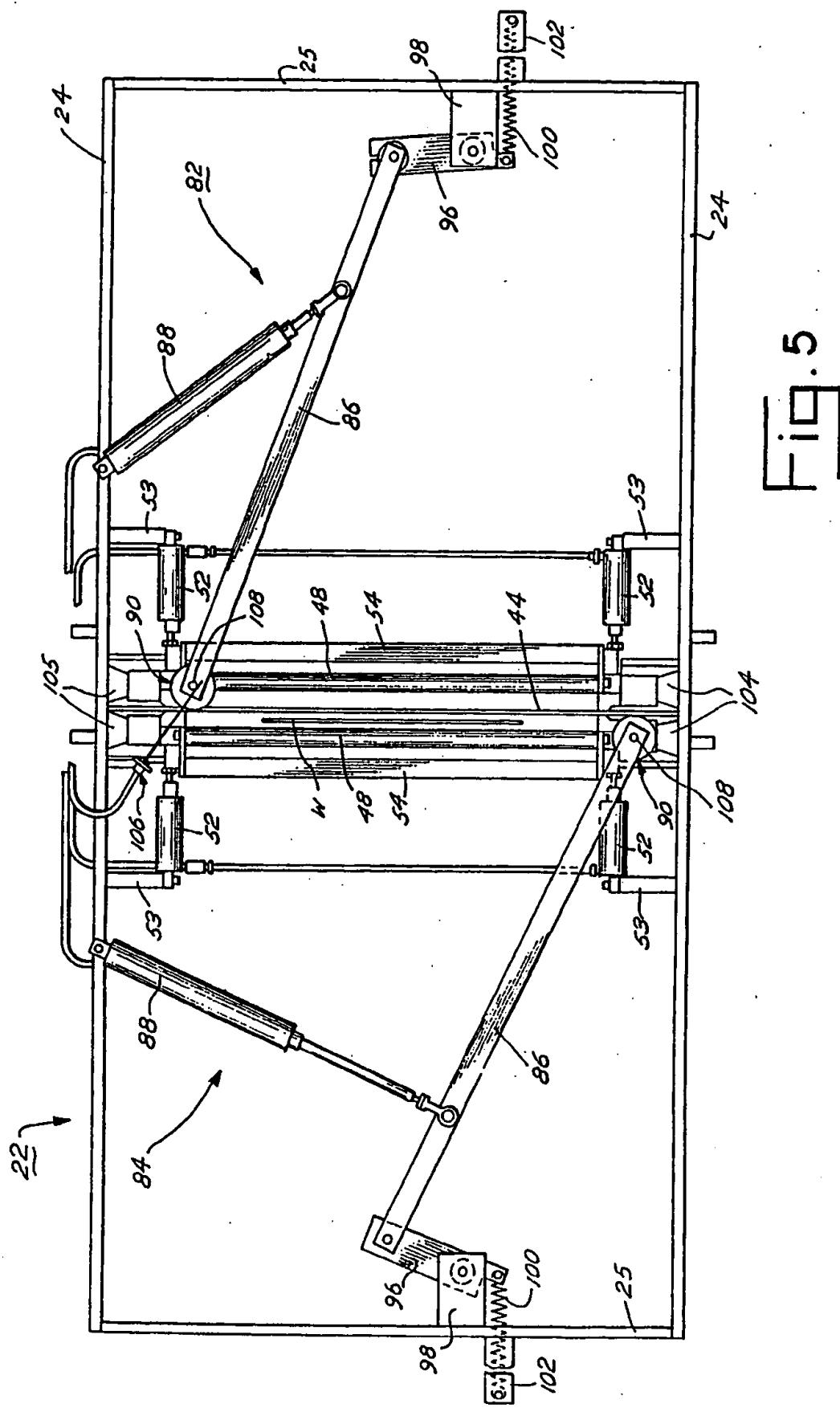
	Document ID		Kind Codes	Source	Issue Date	Pages
10	US 5597650 A	<input type="checkbox"/>		USPAT	19970128	6
11	US 5587229 A	<input type="checkbox"/>		USPAT	19961224	15
12	US 5587118 A	<input type="checkbox"/>		USPAT	19961224	6
13	US 5567256 A	<input type="checkbox"/>		USPAT	19961022	5

	Document ID	Kind Codes	Source	Issue Date	Pages
14	US 5486419 A	<input type="checkbox"/>	USPAT	19960123	16
15	US 5455305 A	<input type="checkbox"/>	USPAT	19951003	8
16	US 5272003 A	<input type="checkbox"/>	USPAT	19931221	11
17	US 5216467 A	<input type="checkbox"/>	USPAT	19930601	11
18	US 5045598 A	<input type="checkbox"/>	USPAT	19910903	3
19	US 5003764 A	<input type="checkbox"/>	USPAT	19910402	7
20	US 4915999 A	<input type="checkbox"/>	USPAT	19900410	9

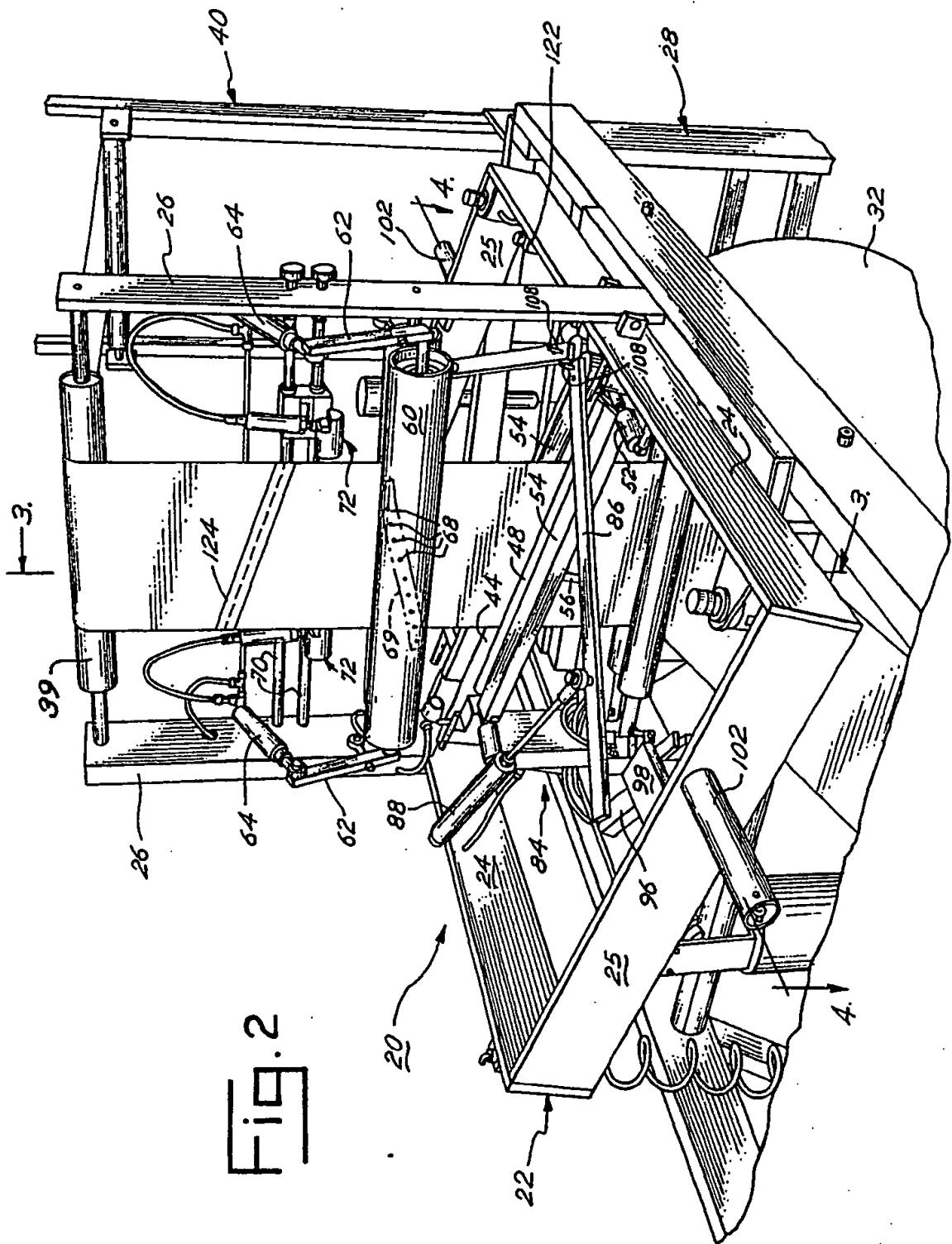
FIG. II



	Document ID	Kind Codes	Source	Issue Date	Pages
21	US 4871604 A	<input type="checkbox"/>	USPAT	19891003	4
22	US 4797170 A	<input type="checkbox"/>	USPAT	19890110	12
23	US 4617208 A	<input type="checkbox"/>	USPAT	19861014	6



	Document ID	Kind Codes	Source	Issue Date	Pages
24	US 4557774 A	<input type="checkbox"/>	USPAT	19851210	14
25	US 4307144 A	<input type="checkbox"/>	USPAT	19811222	7
26	US 4010302 A	<input type="checkbox"/>	USPAT	19770301	7
27	US 3839124 A	<input type="checkbox"/>	USPAT	19741001	
28	US 3804699 A	<input type="checkbox"/>	USPAT	19740416	
29	US 3686848 A	<input type="checkbox"/>	USPAT	19720829	



	Document ID	Kind Codes	Source	Issue Date	Pages
30	US 3680334 A	□	USPAT	19720801	

	Title	Abstract	Current OR
1	Propylene polymer fibers and yarns		428/364
2	Utilization of waste fibers in laminates		428/140
3	Bicomponent fibers having contaminant-containing core domain and methods of making the same		428/373
4	Pile carpet		428/95
5	Flame resistant, non-conductive hanger		248/317

	Title	Abstract	Current OR
6	Recovery of polyamides from composite articles		521/49.8
7	Process of making fiber for carpet face yarn	264/78	
8	Resilient high shrinkage propylene polymer yarn and articles made therefrom	428/97	
9	Polypropylene and polyester conjugate carpet face yarn	428/373	

	Title	Abstract	Current OR
10	Conjugate carpet face yarn		428/370
11	Resilient, high shrinkage propylene polymer yarn and articles made therefrom		442/195
12	Process for making fiber for a carpet face yarn	264/78	
13	Process of making cotton room-size rugs	156/72	

Normally the web from only one of the web rolls 30 and 32 is running. This results in a great deal of stretching of the letter "W" passes, under tension, vertically through the apparatus 20 and except during the splitting operation, does not engage the apparatus. After passing through the apparatus 20 it turns about through the apparatuses, the running web turns around the ends of the members 26. It then may pass to and through a conventional web storage section assembly shown generally at 40. Alternatively and preferably, the assembly 30

may be omitted.

The web rolls 30 and 32 may contain a web of a variety of materials such as paper, film, foil, laminate, etc., wound about a central core or spool. However, the manufacturers of these materials usually release it to the

15 degrees, with respect to the horizontal so that one side member 24 is higher than the other. Two wed rolls 30 and 32 of metal are also mounted on the stand 28 on horizontally disposed spindles 33 and 34, respec-
tively. U.S. application Ser. No. 193,290 filed May 5,
1986, now U.S. Pat. No. 4,856,960 describes a stand that
may be used as the stand 28. The frame 22 is supported
directly above the rolls.

The prime of frame 22.

Refrigerating now to F10S, 1 and 2, the preferred com-
bination of the improved apparatus of the present
invention is generally designated as 20. This apparatus
includes an open, generally rectangular frame 22 com-
prised of two side members 24 and two end members 25
that are secured together at their ends. A vertical up-
right member 26 is secured, at its lower end, to each of
the side members 24, midway between the end mem-
bers. The upright members 26 project upwardly from

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

FIG. 11 is a partial view taken severally of the inken shown in FIG. 10, the time 11-11 in FIG. 10.

10 Figs. 6-9 are similar, vertical cross-sectional views,
 11 taken transverse to the axis of the cutting edge of the
 12 anvil of the apparatus of FIG. 1, and illustrating various
 13 positions of the circular roller knives, and the web back-
 14 up bars during the formation of the butt splice;
 15 FIG. 10 is a cross-sectional view similar to FIG. 3
 16 and illustrating the application of the second piece of
 17 tape to the butt splice as the butt splice moves away
 18 from the anvil; and

It's interesting that the highest level of income inequality is shown

FIG. 5 IS CROSS-SECTIONAL VIEW, SIMILAR TO THAT IN FIG.

4-4 in FIG. 2.

Fig. 4 is cross-sectional view taken along the line

FIG. 3 is a partial cross-sectional view taken along the line 3-3 in FIG. 2.

FIG. 1. Schematic diagram of the experimental setup.

FIG. 2 is an enlarged, front perspective of the appara-

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23.546

FIG. 1 is a flow perspective view of a preferred embodiment of apparatus for performing the improved method of the present invention which apparatus is shown mounted on a stand for holding the rolls of web material and associated with a web storage system;

In the detailed description of the invention, reference will be made to the accompanying drawings comprising

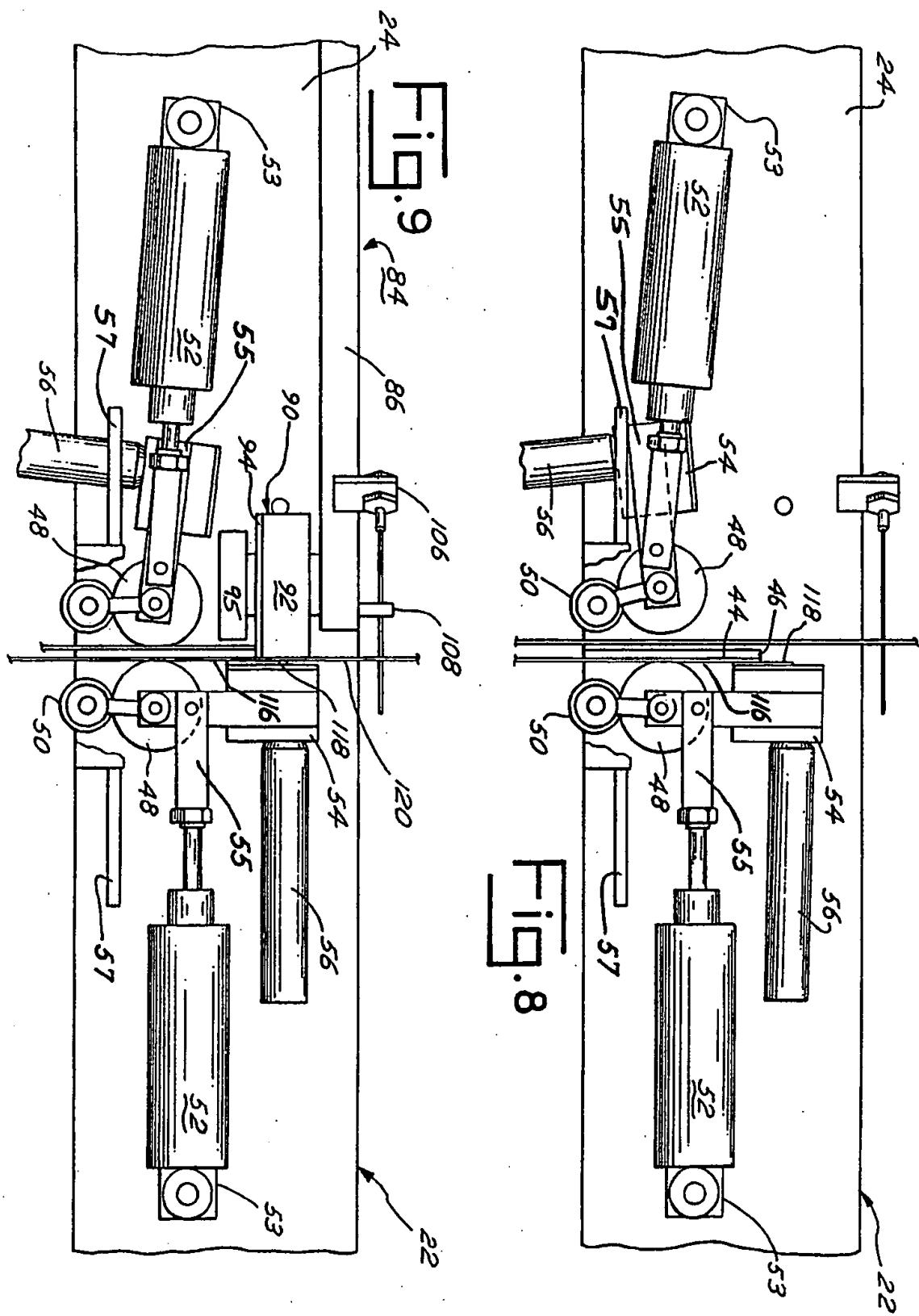
DESCRIPTION OF THE DRAWINGS

ment of the present invention.

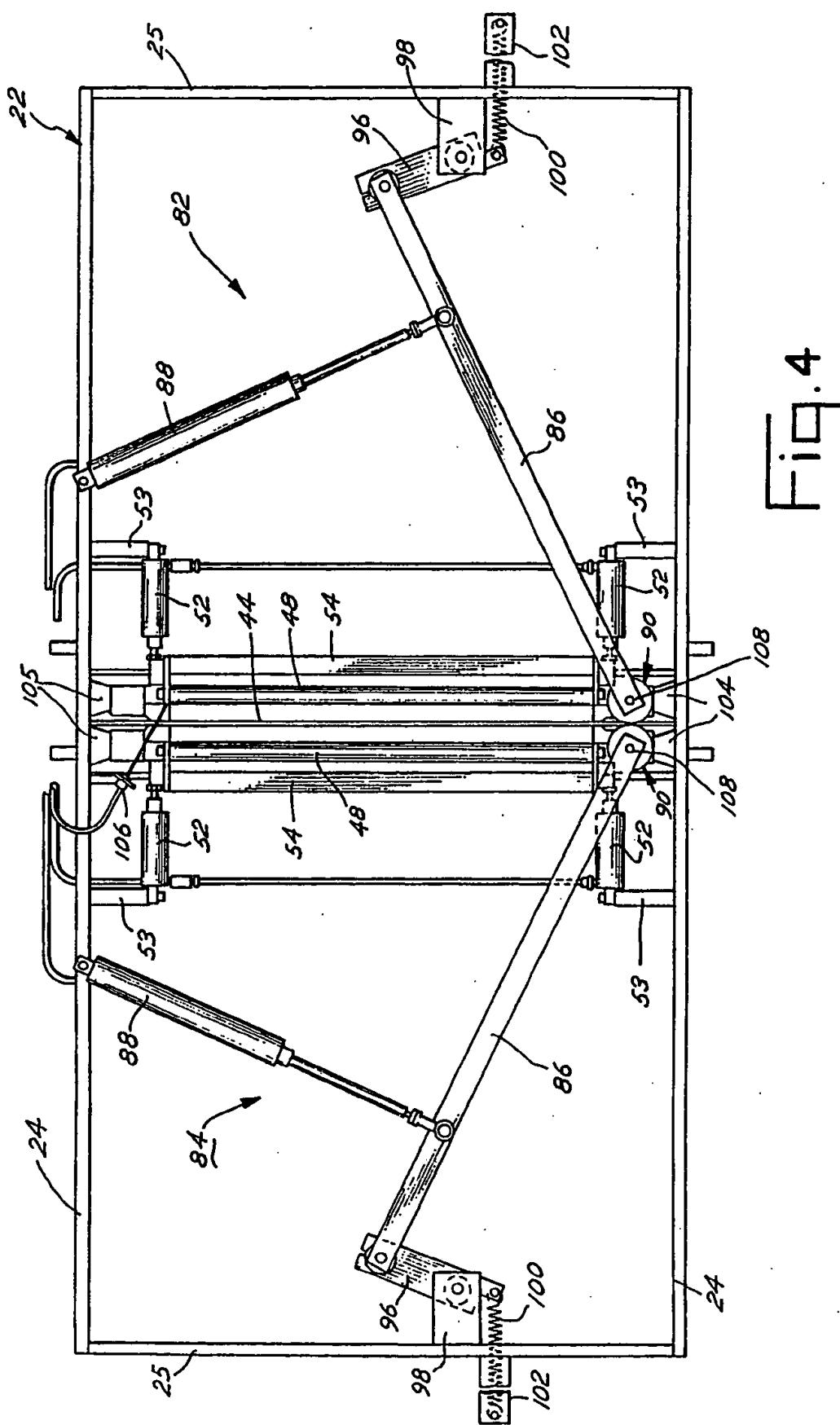
These and still other objectives, advantages and aspects of the present invention are more fully set forth in the following detailed description of the preferred embodiment.

A still further object of the present invention is to provide an improved apparatus that is suitable for permanent or temporary fixation of a good quality but fragile apparatus, to effect the formation of a good quality but web used only by momentarily stopped, adjacent to the web provide an improved apparatus as described, where the web. A related object of the present invention is to web. A coating downstream from the leading end of the new trailing edge of the extruding web to adhesive tape pro- tiling edge of the extruding web to the immediate web while simultaneously adhering the trailing edge of the web. The same adhesive and by immuring the web along the outer edge both the new and existing webs along the outer edge of the apparatus form a good quality but fragile apparatus that is suitable for per- spective view of the improved method as described and that can form the apparatus that is suitable for per-

	Title	Abstract	Current OR
14	Resilient, high shrinkage propylene polymer yarn and articles made therefrom.		428/397
15	Propylene polymer yarn and articles made therefrom		525/240
16	Meso triad syndiotactic polypropylene fibers		428/357
17	Brush-based carrier bead removal device for a developer housing in a xerographic apparatus		399/103
18	Slit film yarn based on propylene polymer and its use for the manufacture of synthetic lawn		525/88
19	Nozzle texturizer for yarn manufacturing		57/333
20	Carpet product with integral balancing layer		428/95



	Title	Abstract	Current OR
21	Binder powder carpet fiber	428/96	
22	System for holding carpet in place without stretching	156/71	
23	Non-directional, synthetic, outdoor carpet	428/17	



	Title	Abstract	Current OR
24	System for holding carpet in place without stretching		156/71
25	Static-dissipating fabrics		442/38
26	Tufted face carpet tile		428/95
27	ARTICLE AND METHOD OF MANUFACTURE		156/435
28	SLIP-RESISTANT MAT		428/78
29	HIGHLY RESILIENT POLYPROPYLENE YARN		428/369

	Title	Abstract	Current OR
30	APPARATUS HAVING CHAMBER OF OVAL CROSS-SECTION FOR HEAT TREATING LARGE DENIER TOW	68/5D	

	Retrieval Classif	Current XRef	Inventor	U	S	C	P	2	3	4	5
6		521/40 ; 521/49 ; 521/49.5 ; 528/492 ; 528/493	Sarian, Arlen K. , et al.	☒	□	□	□	□	□	□	□
7		264/103 ; 264/172.12 ; 264/172.13 ; 264/172.17 ; 264/172.18 ; 264/210.7 ; 264/210.8 ; 264/211.17 ; 8/497 ; 8/529 ; 8/531 ; 8/637.1 ; 8/657 ; 8/658 ; 8/662 ; 8/675	Mallonee, William C.	☒	□	□	□	□	□	□	□
8		428/365 ; 525/240 ; 526/348.6 ; 526/916	Clementini, Luciano , et al.	☒	□	□	□	□	□	□	□
9		428/374 ; 428/397 ; 428/92 ; 525/177	Mallonee, William C.	☒	□	□	□	□	□	□	□

	Retrieval Classif	Current XRef	Inventor	U	S	C	P	2	3	4	5
10	;	428/373 ; 428/374 ; 428/397 ; 428/85 ; 428/97 ; 525/184	Mallonee, William C.	☒	□	□	□	□	□	□	□
	;	428/365 ; 442/196 ; 442/199 ; 442/301 ; 442/337 ; 442/361 ; 442/414 ; 525/240 ; 526/348..6 ; 526/916									
11	;	264/172.13 ; 264/172.18 ; 264/177.13 ; 264/210.7 ; 264/210.8 ; 264/211.17 ; 8/497 ; 8/529 ; 8/531 ; 8/637.1 ; 8/657 ; 8/658 ; 8/662 ; 8/675	Clementini, Luciano , et al.	☒	□	□	□	□	□	□	□
12	;		Mallonee, William C.	☒	□	□	□	□	□	□	□
13	;	156/148 ; 156/308..4 ; 156/309..6 ; 428/96 ; 428/97	Queen, Lawrence E. , et al.	☒	□	□	□	□	□	□	□

	Retrieval Classif	Current XRef	Inventor	U	S	C	P	2	3	4	5
14		428/364 ; 428/365 ; 525/240 ; 526/348.6 ; 526/916	Clementini, Luciano , et al.	☒	□	□	□	□	□	□	□
15		428/94 ; 428/96 ; 442/199 ; 442/202 ; 442/303 ; 442/361 ; 442/365 ; 442/414	Galambos, Adam F.	☒	□	□	□	□	□	□	□
16		428/364 ; 428/365 ; 526/351	Peacock, Andrew J.	☒	□	□	□	□	□	□	□
17		15/159.1 ; 399/264	Esser, James R. , et al.	☒	□	□	□	□	□	□	□
18		264/DIG.47 ; 428/17 ; 428/92 ; 428/97 ; 524/425 ; 524/505 ; 524/536 ; 525/323	Duez, Jean , et al.	☒	□	□	□	□	□	□	□
19			Hosmer, Jimmy D.	☒	□	□	□	□	□	□	□
20		428/97 ;	Tillotson, John G.	☒	□	□	□	□	□	□	□

